

## CLAIMS

1. A mobile terminal having a telephone function and a broadcast receiving function, comprising:

5 a storage unit storing one or more telephone numbers, each of which is associated with one or more channel information pieces;

a judging unit operable to judge, in a case where a caller makes a request for establishing a communication connection to one of the telephone numbers, whether the establishment requires time based on a  
10 reply signal from a communication base station that has received the request;

an extraction unit operable to perform a search in the storage unit when the judging unit determines that the establishment requires time, and extract the one or more channel information pieces associated  
15 with the one of the telephone numbers; and

a broadcast reception unit operable to receive a broadcast service using by one of the extracted channel information pieces.

2. The mobile terminal of Claim 1, wherein

20 the judging unit determines that the establishment requires time when the reply signal is one of a 1st reply signal indicating that the establishment is not possible and a 2nd reply signal instructing the caller to hold.

25 3. The mobile terminal of Claim 2, further comprising:

a retransmission unit operable to repeatedly retransmit, while the broadcast reception unit is receiving the broadcast service as a result of the reply signal being the 1st reply signal, the request

at specified time intervals after reception of the 1st reply signal,  
until the judging unit determines that the establishment requires no  
time or until predefined number of retransmissions is reached.

5 4. The mobile terminal of Claim 3, further comprising:

a broadcast reception terminating unit operable to terminate the  
reception of the broadcast service when the judging unit determines that  
the establishment requires no time.

10 5. The mobile terminal of Claim 2, further comprising:

a broadcast reception terminating unit operable to terminate the  
reception of the broadcast service when the judging unit determines that  
the establishment requires no time in a case where the broadcast  
reception unit is receiving the broadcast service as a result of the  
15 reply signal being the 2nd reply signal.

6. The mobile terminal of Claim 1, further comprising:

a detecting unit operable to detect airwave intensity, wherein  
in a case where airwave intensity of the received broadcast  
20 service is less than a predefined value and there are a plurality of  
the extracted channel information pieces, the broadcast reception unit  
receives, singly and sequentially in order of extraction, broadcast  
services indicated by the plurality of the extracted channel information  
pieces until obtaining airwave intensity of a received broadcast service  
25 having the predefined value or more.

7. The mobile terminal of Claim 1, wherein

the request is to establish an emergency communication connection

to police or fire department.

8. A control method of a mobile terminal including a storage unit storing one or more telephone numbers, each of which is associated with one or more channel information pieces, and having a telephone function and a broadcast receiving function, the control method comprising the steps of:

judging, in a case where a caller makes a request for establishing a communication connection to one of the telephone numbers, whether the establishment requires time based on a reply signal from a communication base station that has received the request;

performing a search in the storage unit when the judging unit determines that the establishment requires time, and extracting the one or more channel information pieces associated with the one of the telephone numbers; and

receiving a broadcast service indicated by one of the extracted channel information pieces.

DESCRIPTION

BACKGROUND

TECHNICAL FIELD

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